

Appln. No. 09/751,520
Amendment dated October 15, 2007
Reply to Office Action mailed November 20, 2006

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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

1. (Currently Amended) A method of configuring a user interface for an information appliance, comprising:

receiving from a remote device, through a network to the information appliance, user interface data describing at least one ~~or more~~ user interface ~~functions~~ function of [[[a]]] the remote device;

comparing the user interface data with a user interface template of the information appliance, the user interface template including at least one ~~or more representations~~ representation;

assigning the at least one ~~or more representations~~ representation of the information appliance respectively to the at least one ~~or more~~ user interface ~~functions~~ function of the remote device described in the user interface data;

programming the assigned at least one ~~or more representations~~ representation of the information appliance to respectively control the at least one ~~or more~~ user interface ~~functions~~ function of the remote device; and
configuring the information appliance to add a display of the at least one ~~or more representations~~ representation based on the user interface data, each representation corresponding to one of the at least one ~~or more~~ user interface ~~functions~~ function on the remote device and capable of interaction by a user therewith; and

wherein the user interface data describing the at least one user interface function does not comprise a whole of the user interface of the remote device to thereby minimize resources of the information appliance utilized in configuring the information appliance to display the at least one representation.

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2. (Original) The method as described in claim 1, further comprising:
accepting input corresponding to the interaction by the user with a
selected one of the representations; and
communicating the input to the remote device through the network such
that the user is able to utilize the user interface function on the remote device
corresponding to the selected representation.

3. (Original) The method as described in claim 2, further comprising
translating the input into utilization by the user of the user interface function
on the remote device corresponding to the selected representation.

4. (Original) The method as described in claim 1, wherein the user
interface functions on the remote device include at least one of: viewing the
user interface functions, viewing output, selecting the user interface
functions, selecting output, changing the user interface functions, and
changing output.

5. (Currently Amended) The method as described in claim 1, further
comprising:

monitoring the interaction of the user with the display of the at least
~~one or more representations~~ representation; and

storing data representative of the monitored interaction, the monitored
interaction data capable of being used to configure the display of the
representations.

6. (Original) The method as described in claim 5, wherein the
monitored interaction data includes an amount of time spent by the user
interacting with a selected one of the representations, and further wherein the
display of the representations is configured to include the selected
representation only if the amount of time spent by the user interacting with
the selected representation is greater than a threshold amount of time.

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7. (Original) The method as described in claim 5, wherein the monitored interaction data includes a number of times spent by the user interacting with a selected one of the representations, and further wherein the display of the representations is configured to include the selected representation only if the number of times spent by the user interacting with the selected representation is greater than a threshold number of times.

8. (Original) The method as described in claim 1, further comprising:
identifying a resource on the remote device with which the user interacts; and
loading a user interface corresponding to the identified resource.

9. (Currently Amended) An information appliance capable of configuring a user interface, comprising:
equipment capable of connecting to a remote device through a network;
logic capable of receiving user interface data describing at least one ~~or more~~ user interface ~~functions~~ function of the remote device through the network;

logic capable of comparing the user interface data with a user interface template of the information appliance, the user interface template including at least one ~~or more representations~~ representation;

logic capable of assigning the at least one ~~or more representations~~ representation of the information appliance respectively to the at least one ~~or more~~ user interface ~~functions~~ function of the remote device;

logic capable of programming the assigned at least one ~~or more representations~~ representation of the information appliance to respectively control the at least one ~~or more~~ user interface ~~functions~~ function of the remote device; and

logic capable of configuring the information appliance to add a display of the at least one ~~or more representations~~ representation based on the user interface data, each representation corresponding to one of the at least one ~~or~~

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~~more~~ user interface ~~functions~~ function on the remote device and capable of interaction by a user therewith; and

wherein the user interface data describing the at least one user interface function does not comprise a whole of the user interface of the remote device to thereby minimize resources of the information appliance utilized in configuring the information appliance to display the at least one representation.

10. (Original) The information appliance as described in claim 9, further comprising:

logic capable of accepting input corresponding to the interaction by the user with a selected one of the representations; and

logic capable of communicating the input to the remote device through the network such that the user is able to utilize the user interface function on the remote device corresponding to the selected representation.

11. (Original) The information appliance as described in claim 10, further comprising logic capable of translating the input into utilization by the user of the user interface function on the remote device corresponding to the selected representation.

12. (Currently Amended) The information appliance as described in claim 9, further comprising:

logic capable of monitoring the interaction of the user with the display of the at least one ~~or more representations~~ representation; and

logic capable of storing data representative of the monitored interaction, the monitored interaction data capable of being used to configure the display of the ~~representations~~ at least one representation.

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13. (Currently Amended) A storage medium readable by an information appliance and having instructions encoded thereon for causing the information appliance to perform a method of configuring a user interface, the method comprising the steps of:

receiving, through a network to the information appliance, user interface data describing at least one ~~or more~~ user interface ~~functions~~ function of a remote device;

comparing the user interface data with a user interface template of the information appliance, the user interface template including at least one or more representations representation;

assigning the at least one or more representations representation of the information appliance respectively to the at least one or more user interface ~~functions~~ function of the remote device;

programming the assigned at least one or more representations representation of the information appliance to respectively control the at least one or more user interface ~~functions~~ function of the remote device; and

configuring the information appliance to add a display of the at least one or more representations representation based on the user interface data, each representation corresponding to one of the at least one or more user interface ~~functions~~ function on the remote device and capable of interaction by a user therewith; and

wherein the user interface data describing the at least one user interface function does not comprise a whole of the user interface of the remote device to thereby minimize resources of the information appliance utilized in configuring the information appliance to display the at least one representation.

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14. (Original) The storage medium as described in claim 13, the method further comprising the steps of:

accepting input corresponding to the interaction by the user with a selected one of the representations; and

communicating the input to the remote device through the network such that the user is able to utilize the user interface function on the remote device corresponding to the selected representation.

15. (Original) The storage medium as described in claim 14, the method further comprising the step of translating the input into utilization by the user of the user interface function on the remote device corresponding to the selected representation.

16. (Canceled).

17. (Previously Presented) The method as described in claim 19, wherein the resource is at least one of: an application, an executable file, a web page, and a document.

18. (Previously Presented) The method as described in claim 19, wherein the evaluated interaction includes at least one of: selecting an icon, manipulating a scroll bar, inputting a data set, and interacting with a representation of a user interface function on the remote device.

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19. (Currently Amended) A method of loading a user interface, comprising:

- accessing a resource on a remote device through a network;
- evaluating interaction of a user with the resource;
- identifying the resource based on the evaluated interaction; and
- loading a user interface corresponding to the identified resource;

receiving, through the network to the information appliance, user interface data describing at least one ~~or more~~ user interface ~~functions~~ function on the remote device;

comparing the user interface data with a user interface template of the information appliance, the user interface template including at least one or more representations representation;

assigning the at least one or more representations representation of the information appliance respectively to the at least one or more user interface ~~functions~~ function of the remote device;

programming the assigned at least one or more representations representation of the information appliance to respectively control the at least one or more user interface ~~functions~~ function of the remote device; and

configuring the loaded user interface based on the user interface data, the loaded interface including the at least one or more representations representation, each representation corresponding to one of the at least one or more user interface ~~functions~~ function on the remote device and capable of interaction by the user therewith; and

wherein the user interface data describing the at least one user interface function does not comprise a whole of the user interface of the remote device to thereby minimize resources of the information appliance utilized in configuring the information appliance to display the at least one representation.

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20. (Original) The method as described in claim 19, further comprising:

accepting input corresponding to the interaction by the user with a selected one of the representations; and

communicating the input to the remote device through the network such that the user is able to utilize the user interface function on the remote device corresponding to the selected representation.

21. (Original) The method as described in claim 20, further comprising translating the input into utilization by the user of the user interface function on the remote device corresponding to the selected representation.

22. (Original) The method as described in claim 19, further comprising:

monitoring the interaction of the user with the representations of the loaded user interface; and

storing data representative of the monitored interaction, the monitored interaction data capable of being used to configure the representations of the loaded user interface.

23. through 26. (Canceled).

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27. (Currently Amended) A system for configuring a user interface, comprising:

a communications network;

a remote device comprising:

equipment capable of connecting to the communications network; and

at least one ~~or more~~ user interface functions ~~functions~~ function; and

an information appliance comprising:

equipment capable of connecting to the communications network, the information appliance capable of being intermittently coupled to and communicating with the remote device through the communications network;

logic capable of receiving user interface data describing at least one ~~or more~~ user interface functions function of the remote device through the communications network;

logic capable of comparing the user interface data with a user interface template of the information appliance, the user interface template including at least one ~~or more representations~~ representation;

logic capable of assigning the at least one ~~or more representations~~ representation of the information appliance respectively to the at least one ~~or more~~ user interface functions ~~functions~~ function of the remote device;

logic capable of programming the assigned at least one ~~or more representations~~ of the information appliance to respectively control the at least one ~~or more~~ user interface functions ~~functions~~ function of the remote device; and

logic capable of configuring the information appliance to add a display of the at least one ~~or more representations~~ representation based on the user interface data, each representation corresponding to one of the at least one ~~or more~~ user interface functions ~~functions~~ function on the remote device and capable of interaction by a user therewith; and

wherein the user interface data describing the at least one user interface function does not comprise a whole of the user interface of the remote device to thereby minimize resources of the information appliance utilized in

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configuring the information appliance to display the at least one representation.

28. (Original) The system as described in claim 27, the information appliance further comprising:

logic capable of accepting input corresponding to the interaction by the user with a selected one of the representations; and

logic capable of communicating the input to the remote device through the communications network such that the user is able to utilize the user interface function on the remote device corresponding to the selected representation.

29. (Original) The system as described in claim 28, the information appliance further comprising logic capable of translating the input into utilization by the user of the user interface function on the remote device corresponding to the selected representation.

30. (Currently Amended) The method as described in claim 1, further comprising:

monitoring the interaction of the user with the display of the at least one or more representations representation; and

storing data representative of the monitored interaction, the monitored interaction data subsequently being used to configure the display of the representations.

31. (Currently Amended) The information appliance as described in claim 9, further comprising:

logic capable of monitoring the interaction of the user with the display of the at least one or more representations representation; and

logic capable of storing data representative of the monitored interaction, the monitored interaction data capable of being used to configure a subsequent display of the representations.

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32. (Previously Presented) The method as described in claim 19, further comprising:

monitoring the interaction of the user with the representations of the loaded user interface; and

storing data representative of the monitored interaction, the monitored interaction data subsequently being used to configure the representations of the loaded user interface.

33. (Canceled)

34. (Currently Amended) The method of claim 1, wherein the at least one ~~or more representations~~ representation include at least one of a cursor control element, a browser control element, or a window control element.

35. (Currently Amended) The method as described in claim 1, wherein said at least some of the at least one ~~or more~~ user interface functions function may be added to the information appliance from the remote device to configure the user interface of the information appliance.

36. (Currently Amended) The information appliance as described in claim 9, wherein said at least some of the at least one ~~or more~~ user interface functions function may be added to the information appliance from the remote device to configure the user interface of the information appliance.

37. (Currently Amended) The storage medium as described in claim 13, wherein said at least some of the at least one ~~or more~~ user interface functions function may be added to the information appliance from the remote device to configure the user interface of the information appliance.

38. (Currently Amended) The method as described in claim 19, wherein said at least some of the at least one ~~or more~~ user interface functions function may be added to the information appliance from the remote device to configure the user interface of the information appliance.

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39. (Currently Amended) The system as described in claim 27, wherein said at least some of the at least one or more user interface ~~functions~~ function may be added to the information appliance from the remote device to configure the user interface of the information appliance.

40. (Currently Amended) The information appliance as described in claim 9, wherein the at least one or more representations representation include at least one of a cursor control element, a browser control element, or a window control element.

41. (Currently Amended) The storage medium as described in claim 13, wherein the at least one or more representations representation include at least one of a cursor control element, a browser control element, or a window control element.

42. (Currently Amended) The method as described in claim 19, wherein the at least one or more representations representation include at least one of a cursor control element, a browser control element, or a window control element.

43. (Currently Amended) The system as described in claim 27, wherein the at least one or more representations representation include at least one of a cursor control element, a browser control element, or a window control element.